

## MOVING MECHANISM

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EC Classification:

Equivalents:

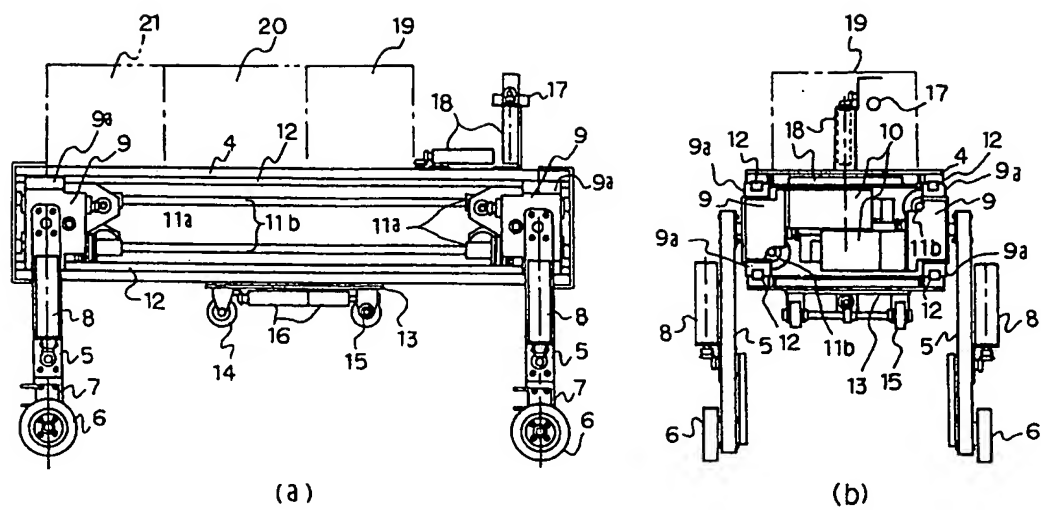
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### Abstract

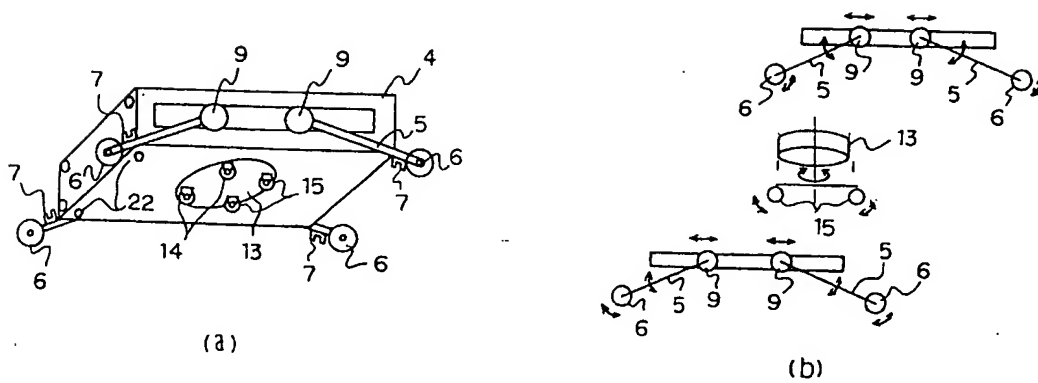
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**PURPOSE:** To carry out position correction and change direction with high accuracy and smooth movement on stairs, etc., by providing four legs the bases of which are supported by a body via slide portions and which have wheels on their ends, and a turn table having driven wheels and driving wheels nearly in the center on the underside of the body.

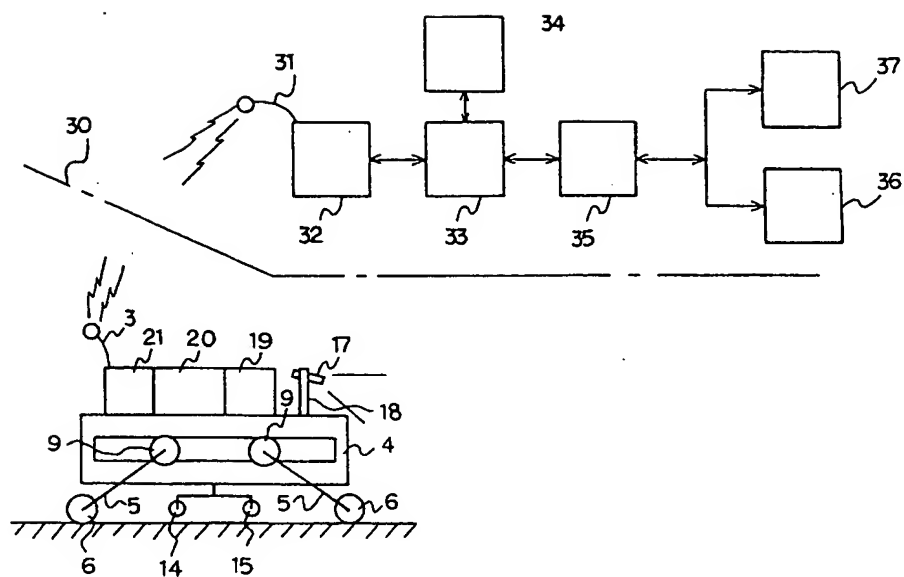
**CONSTITUTION:** The bases of four leg portions 5 are installed on a moving mechanism body 4 via slide portions 9, which are movable back and forth along slide rails 12 by the rotation of ball nuts 11a and the ball screws 11b on which the ball nuts 11a are fitted. A wheel 6 and a hook 7 are installed in the vicinity of the end of each leg portion 5 and the wheel 6 is driven by a leg wheel driving portion 8. A turn table 13 is installed nearly in the center on the underside of the moving mechanism body 4 and, by driving a driving portion 16, the turn table 13 is turned while also rotating driving wheels 15 installed on the turn table 13. Inspection equipment such as an ITV camera 17 and a universal head 18, etc., is installed on the top of the moving mechanism body 4.



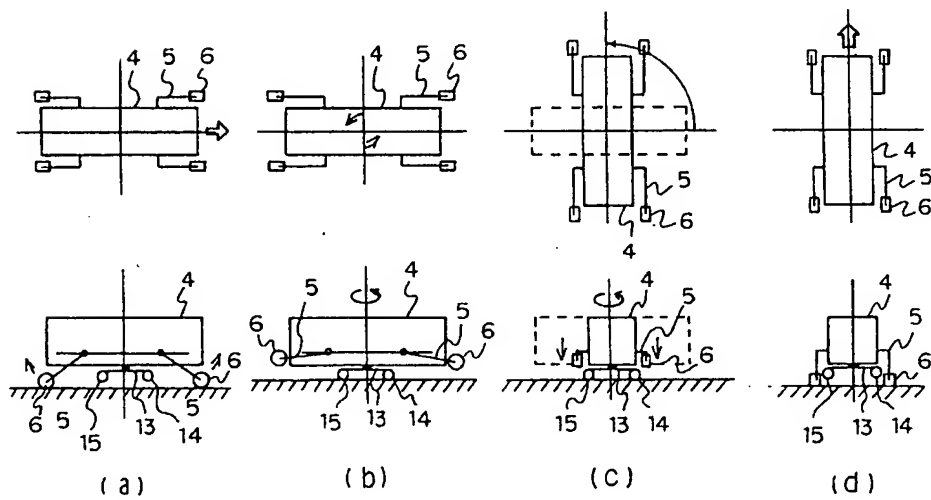
第 1 図



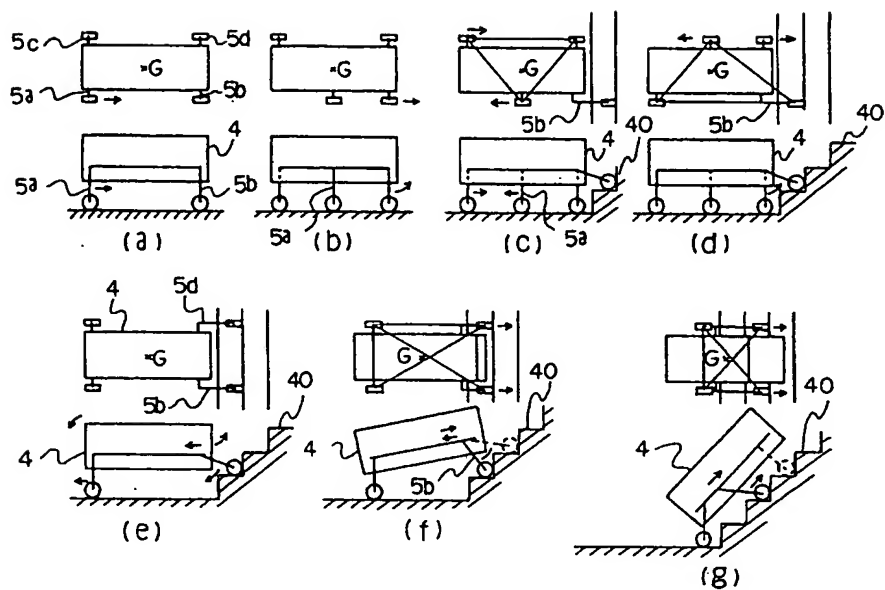
第 2 図



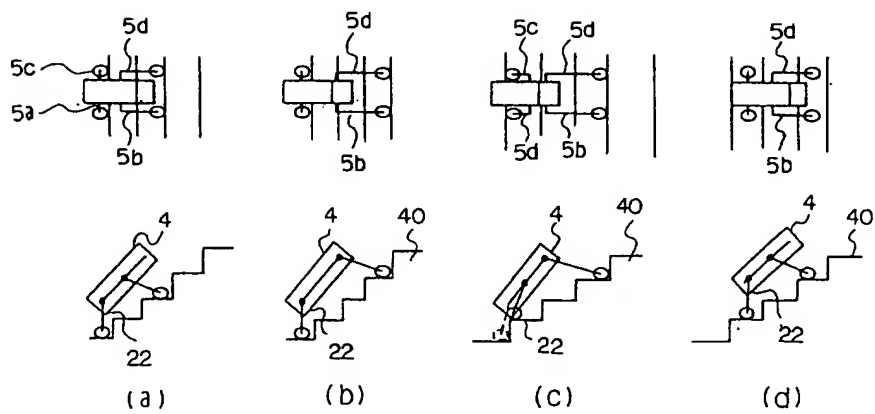
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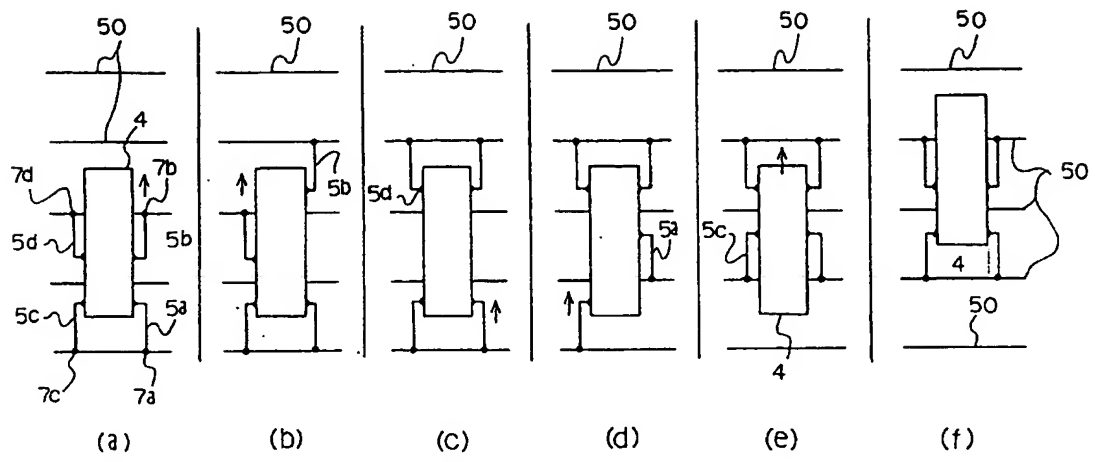
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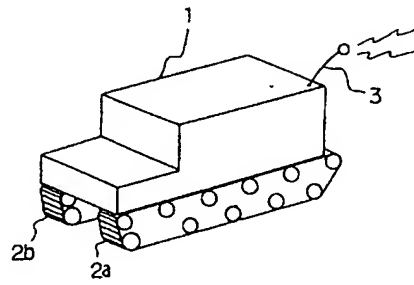
第 5 図



第 6 図



第 7 図



第 8 図